

Fig. 1. Pelagic survey area and designed transects for aerial waterbird survey in relation to the Selendang Ayu oil spill.

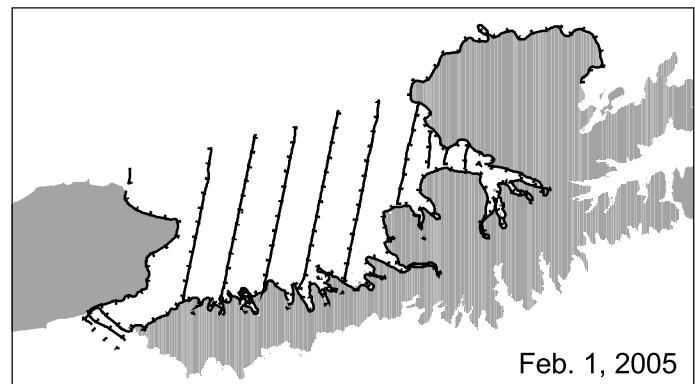
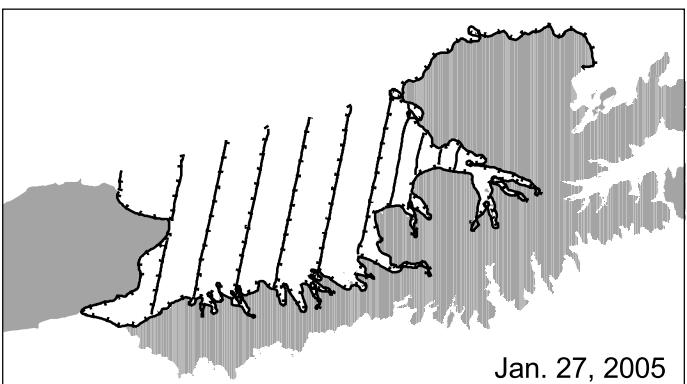
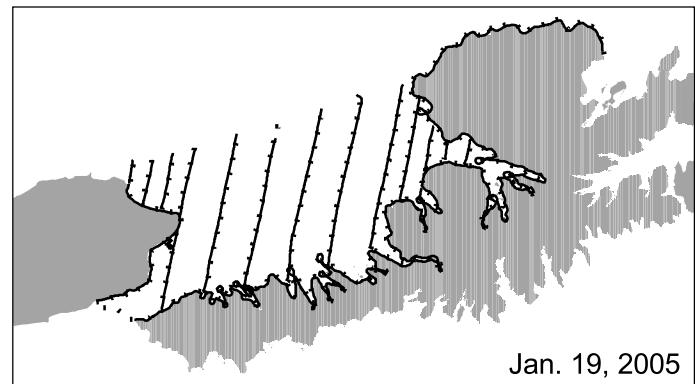
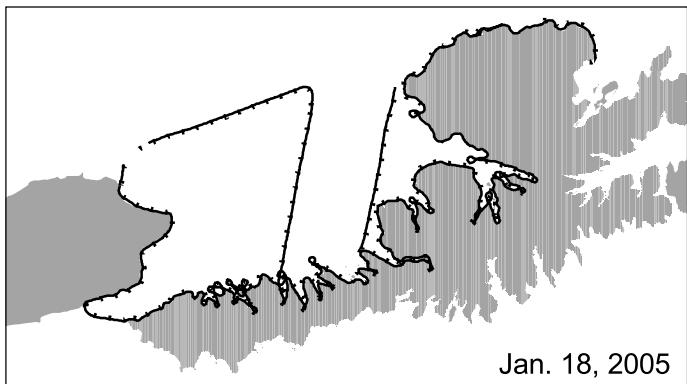
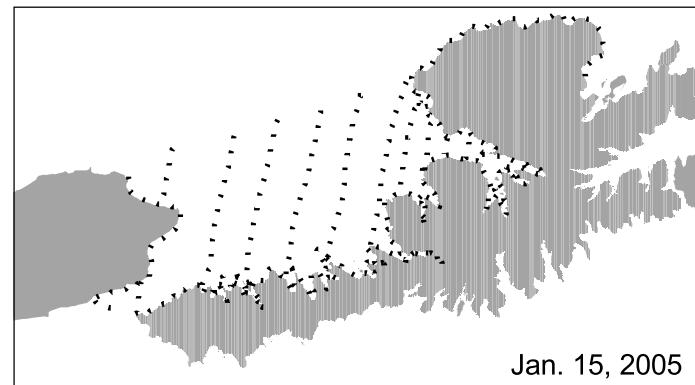
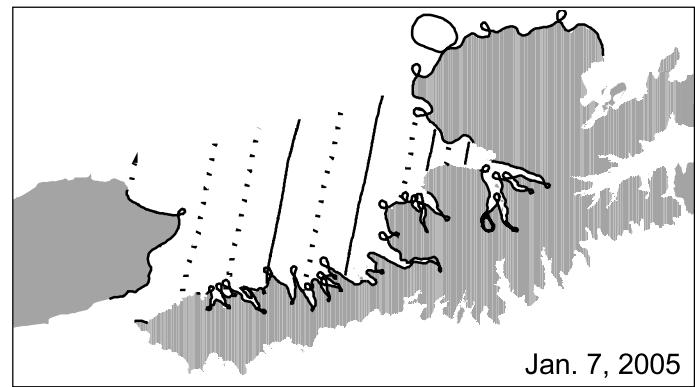
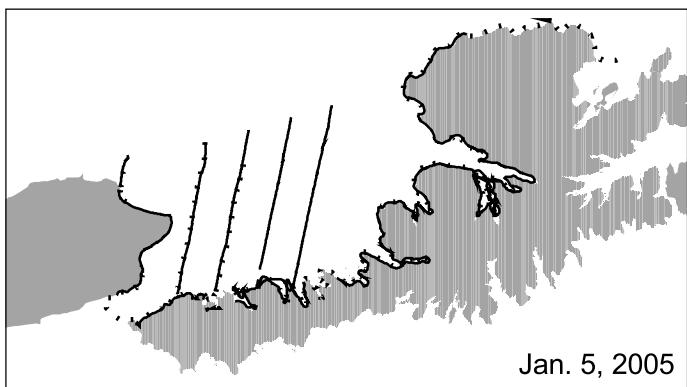


Fig. 2. Pelagic and shoreline aerial transects searched for waterbirds after the Selendang Ayu oil spill. Solid line represents strip searched by observer on left side of airplane, dotted line is for right side observer. Unequal coverage by both observers was due to computer malfunctions.

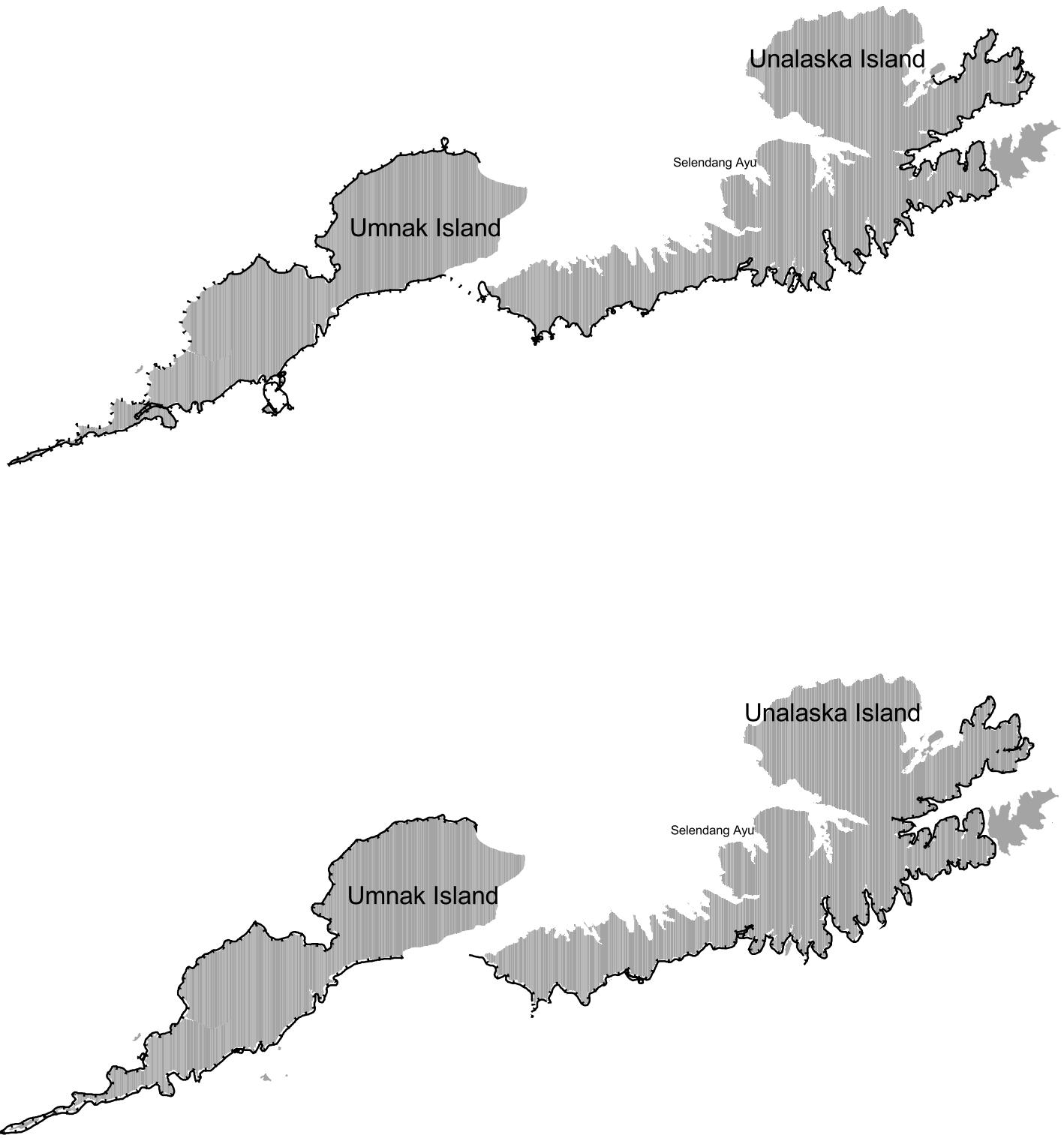


Fig. 3. Reconnaissance surveys flown on Jan. 10, 2005 (top) and Feb. 2, 2005 (bottom). Solid line represents strip searched by observer on the left side of airplane, dotted line is for right side observer. Unequal coverage by both observers was due to computer malfunctions.

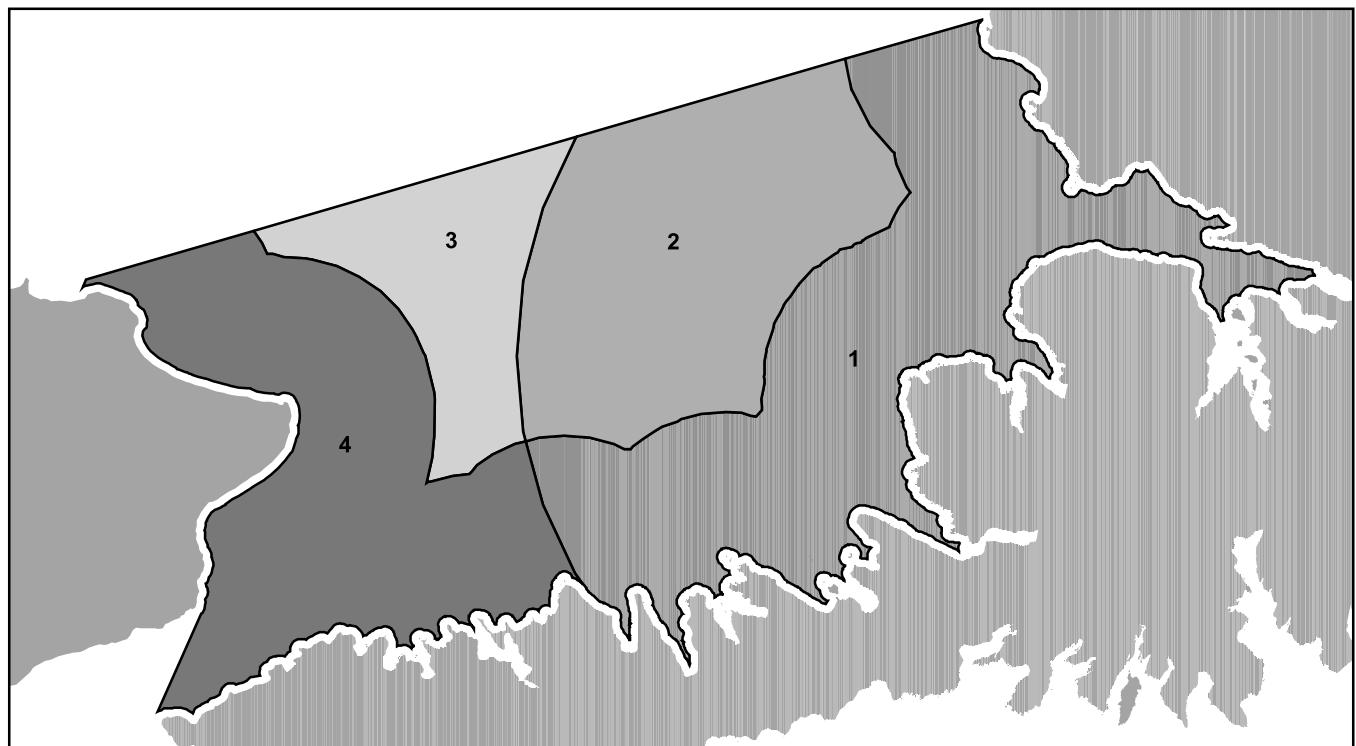
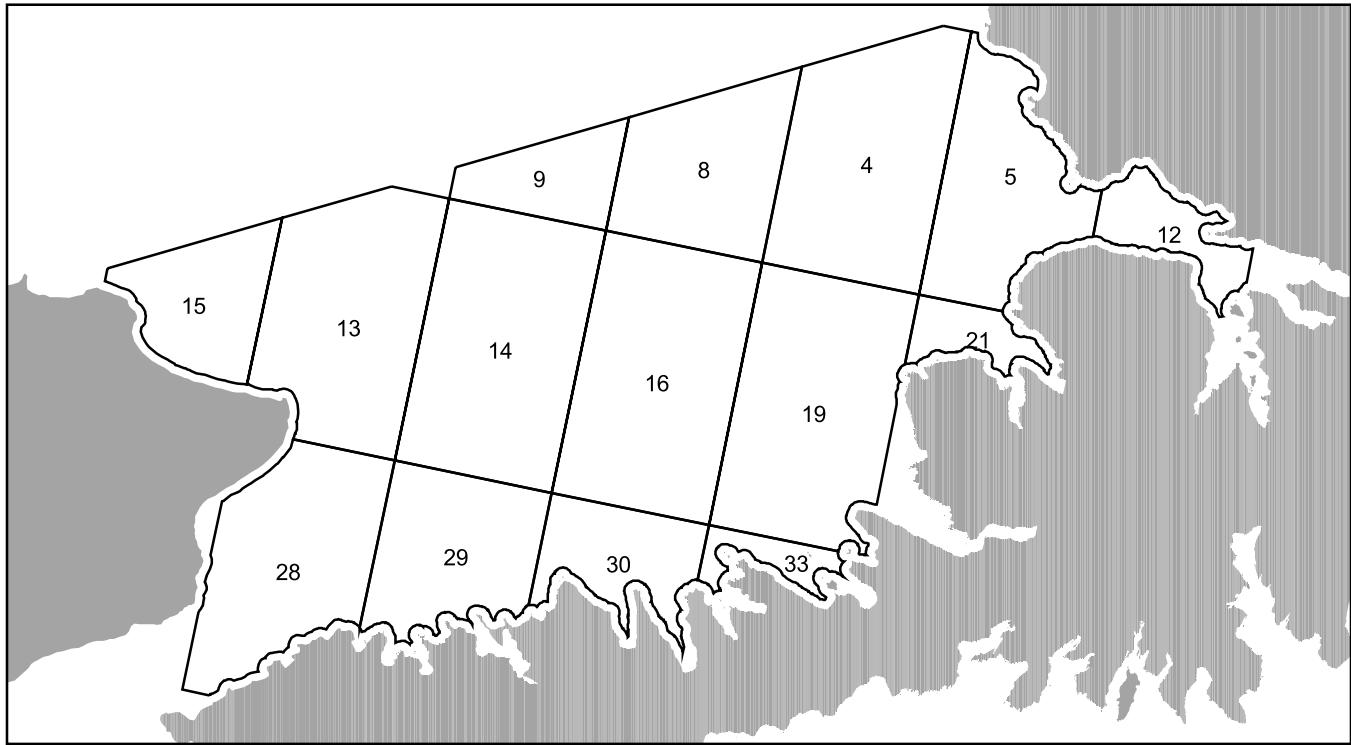


Fig. 4. Ten minute latitude longitude blocks (top) and 4 distance zones (bottom) used to estimate bird densities and population indices from aerial survey data.

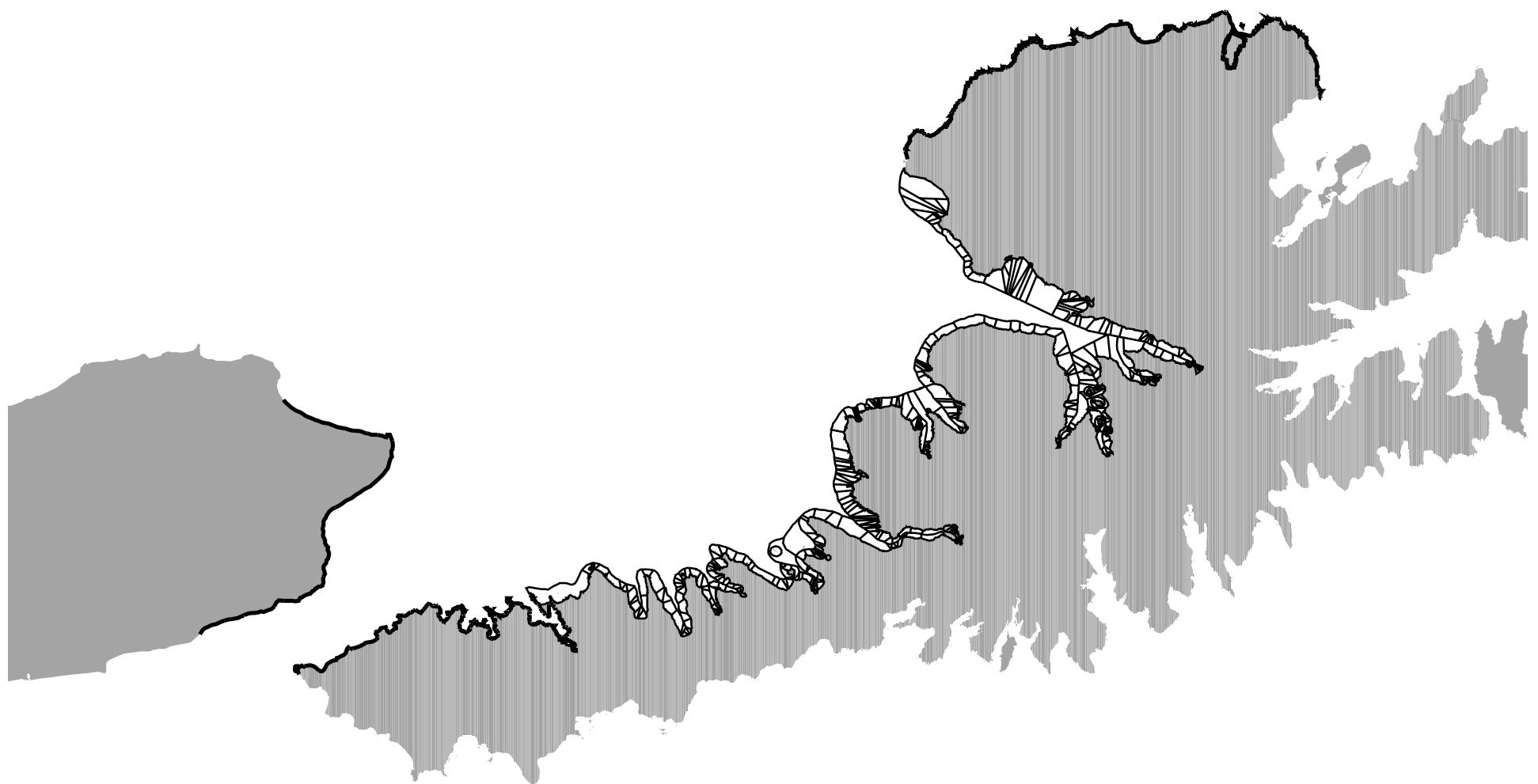


Fig. 5. SCAT polygons and non-scat shoreline used to estimate bird densities and population indices from aerial survey data.

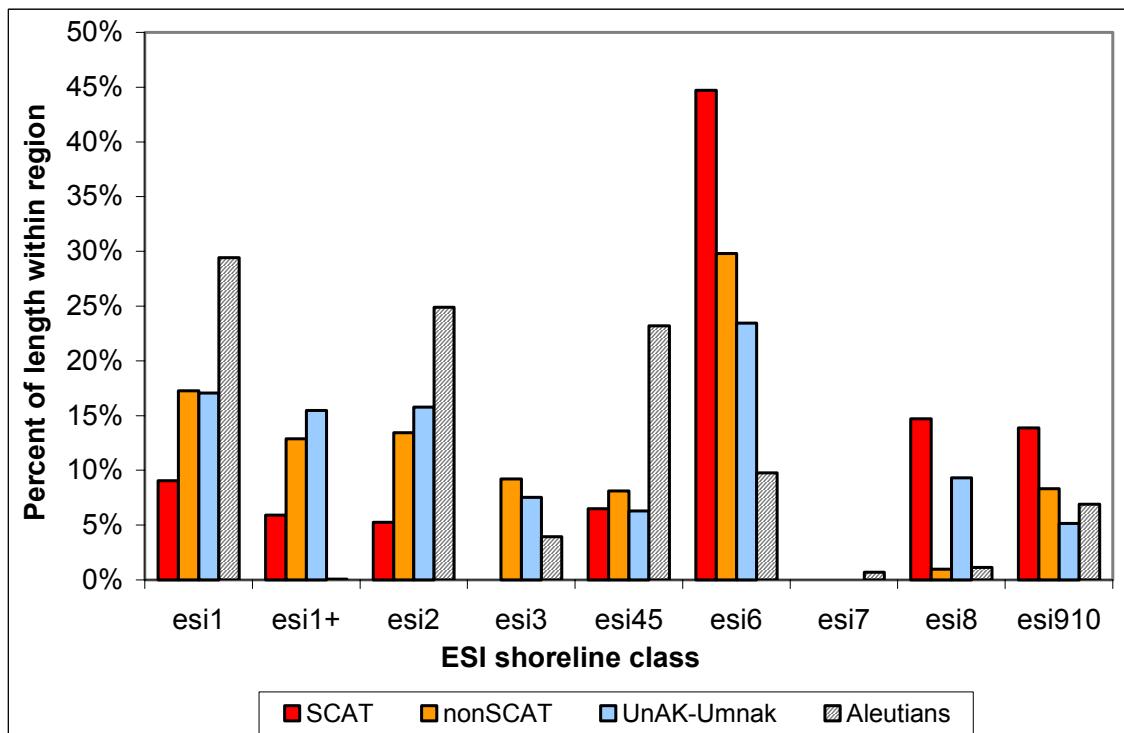


Figure 6. Proportion of total length of the various Environmental Sensitivity Index (ESI) shoreline classes within 4 subdivisions of the Aleutian Island region.

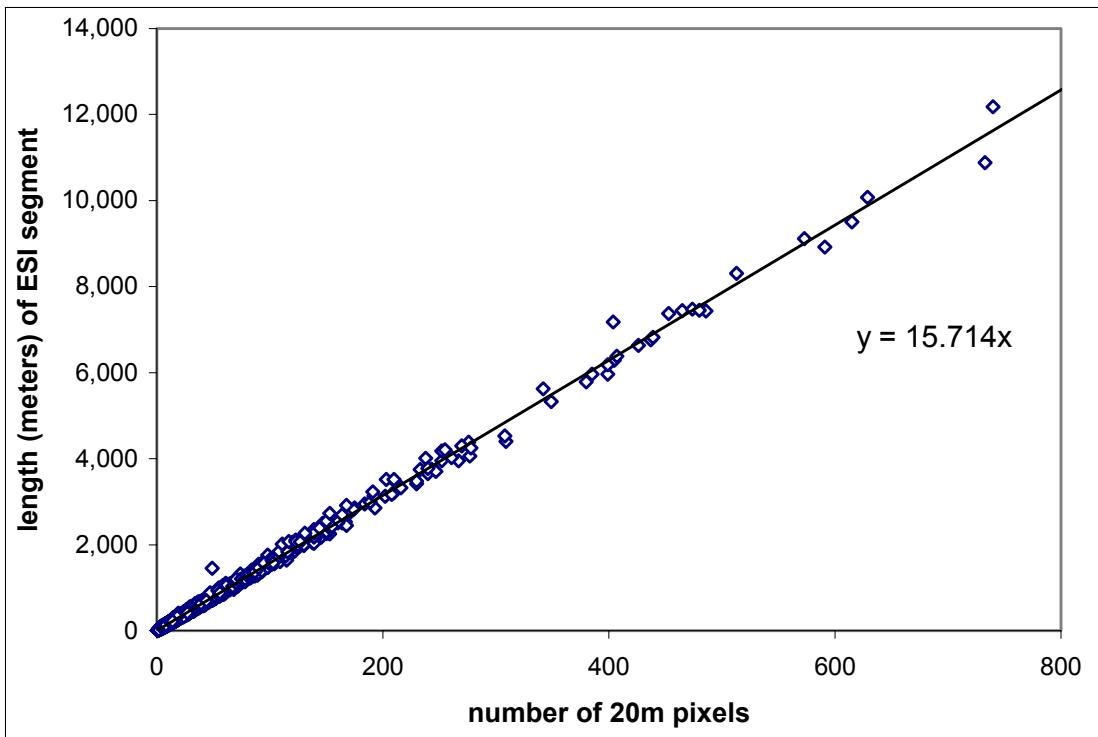


Figure 7. Linear regression relationship between actual length (meters) of shoreline ESI segments and the number of 20m pixels in the each shoreline segment following conversion to a raster coverage.

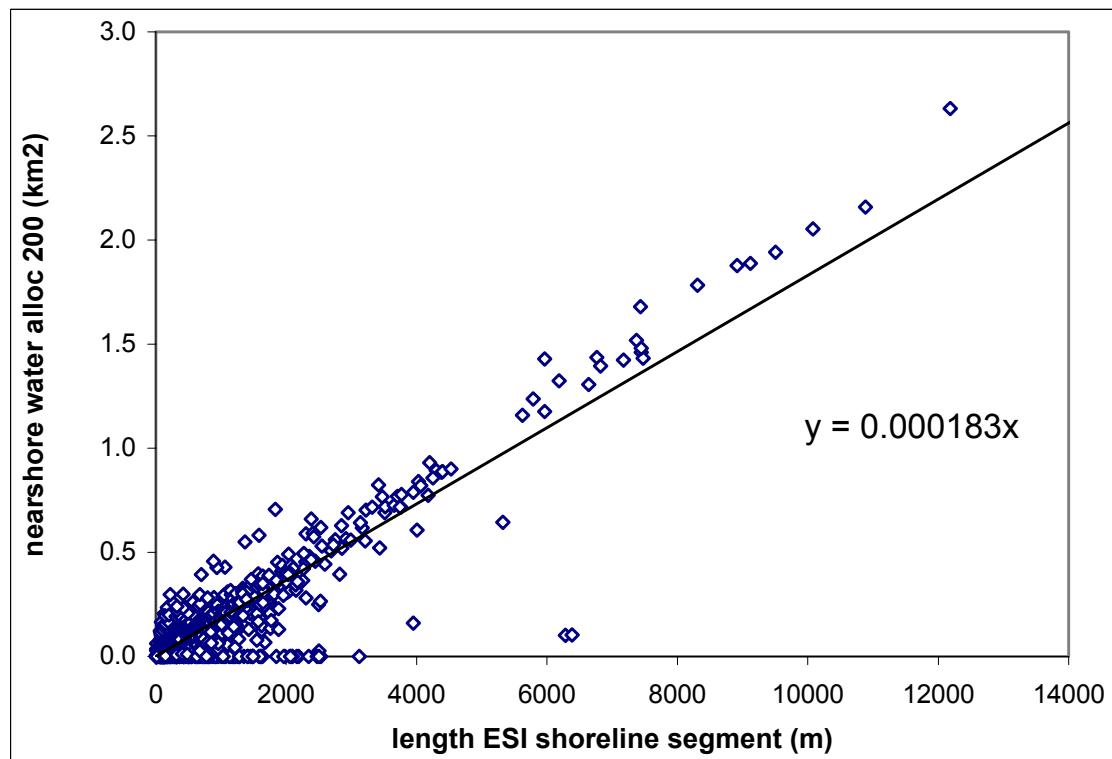


Figure 8. Relationship between actual length (meters) of shoreline ESI segments and the nearshore water area (km<sup>2</sup>) allocated to each shoreline segment following conversion to 20m pixel raster coverage. Note that some shoreline segments are not associated with any water area.

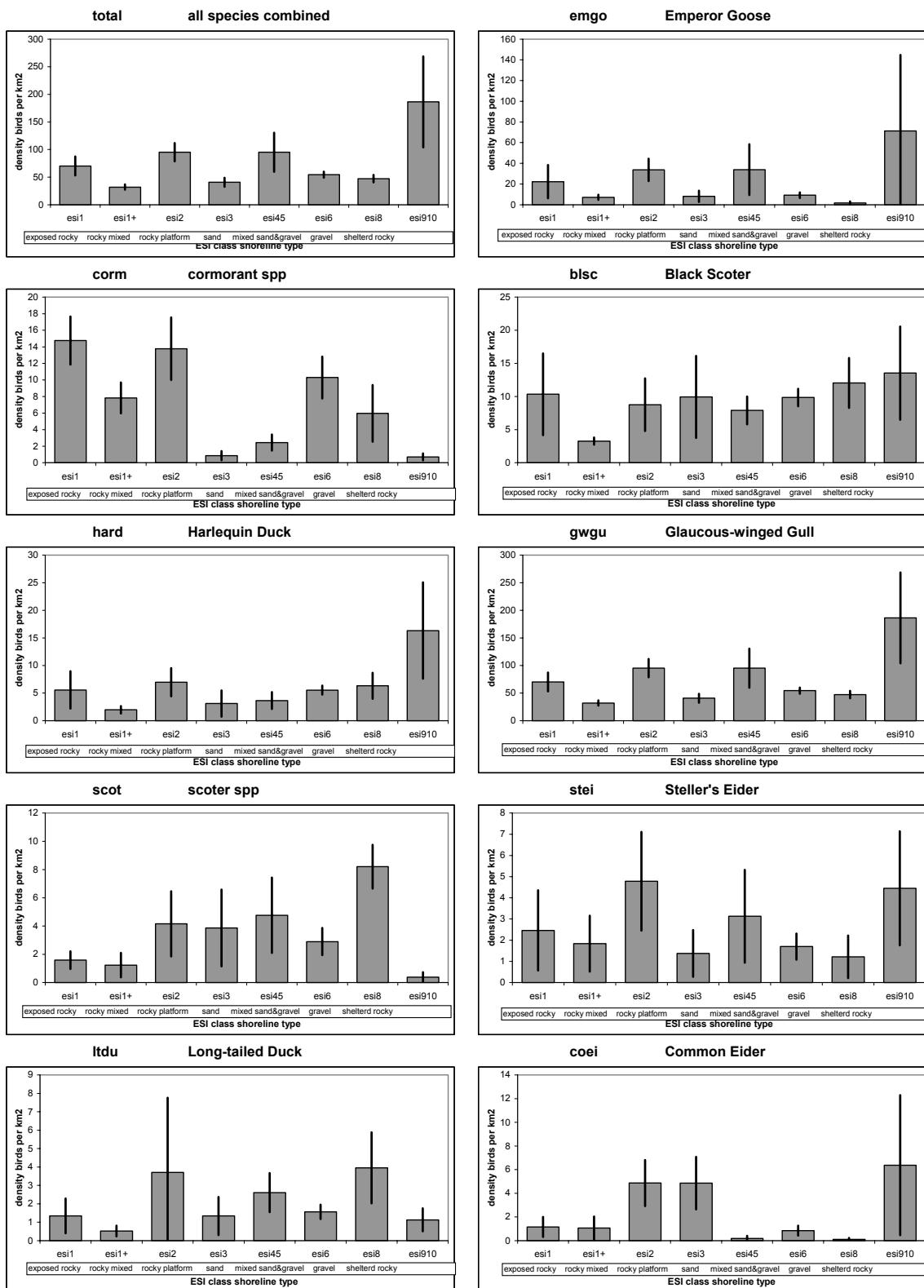


Figure 9. Average density of birds observed on aerial surveys of nearshore habitat of Unalaska and Umnak Islands as subdivided by ESI shoreline types.

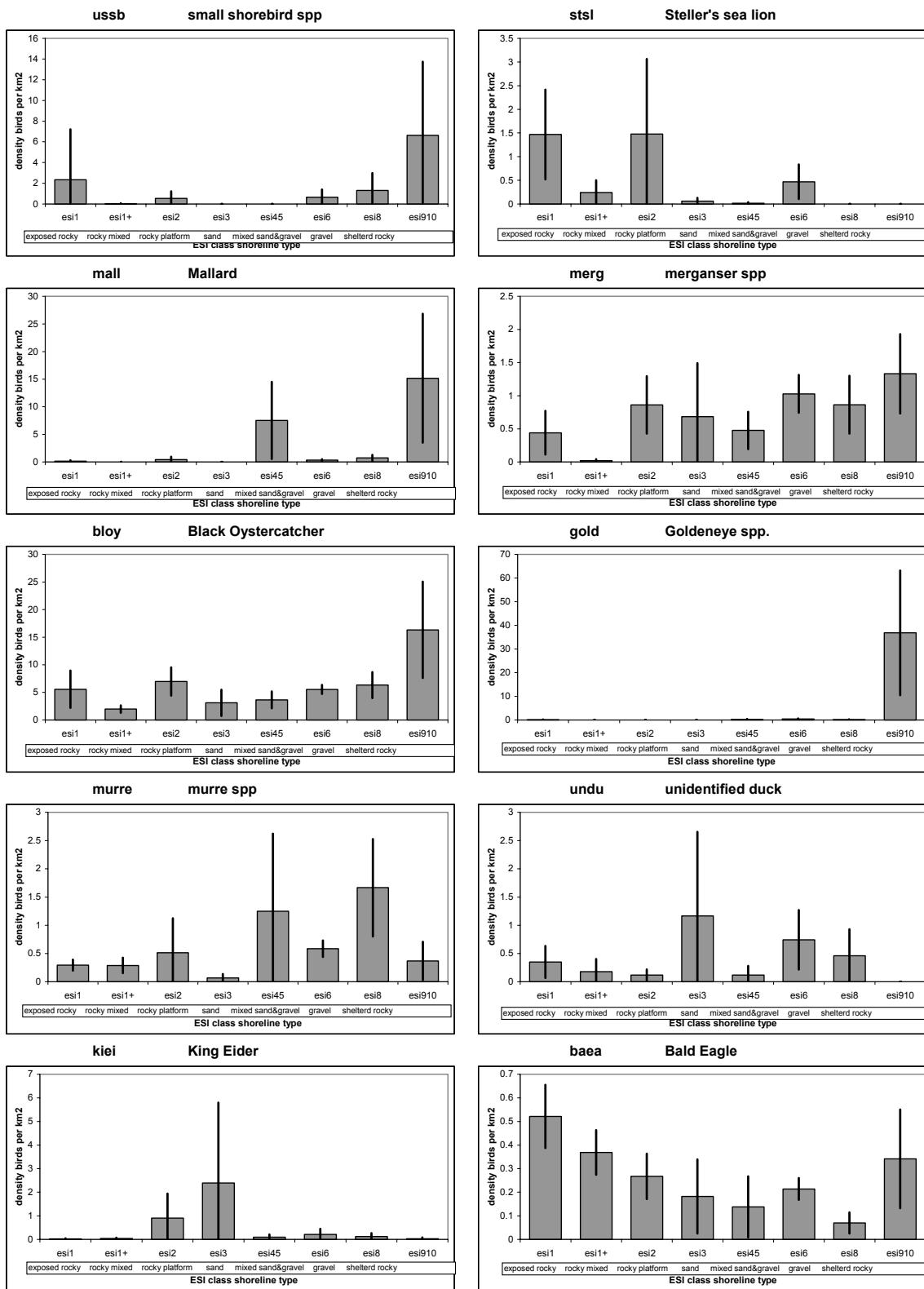


Figure 9 (continued). Average density of birds observed on aerial surveys of nearshore habitat of Unalaska and Umnak Islands as subdivided by ESI shoreline types.